

## # Main DDR (Detailed Diagnostic Report)

### ## 1. Property Issue Summary

- Roof terrace shows damp patches near the north parapet and visible seepage marks.
- Ceiling in bedroom has water stains and minor paint blistering.
- Bathroom wall has mold growth behind the shower mixer.
- Thermal interpretation suggests trapped moisture in slab and wall interface.

### ## 2. Area-wise Observations

#### ### Ceiling

- [Inspection Report] Ceiling in bedroom has water stains and minor paint blistering.

#### ### General

- [Inspection Report] No structural crack observed in internal columns.
- [Thermal Report] Recommend moisture meter validation and post-repair thermal retest.

#### ### Roof

- [Inspection Report] Roof terrace shows damp patches near the north parapet and visible seepage marks.
- [Inspection Report] Possible cause: rainwater entering through failed terrace waterproofing joints.
- [Thermal Report] Area: Roof terrace north edge recorded 38.6 C hotspot at 11:00 AM.

#### ### Terrace

- [Inspection Report] Recommend re-sealing terrace joints and checking drainage slope.
- [Thermal Report] Area: Bedroom ceiling recorded 24.1 C cooler patch below terrace slab.

#### ### Wall

- [Inspection Report] Bathroom wall has mold growth behind the shower mixer.
- [Thermal Report] Area: Bathroom wet wall recorded 27.8 C with irregular thermal anomaly.
- [Thermal Report] Thermal interpretation suggests trapped moisture in slab and wall interface.

### ## 3. Probable Root Cause

- Possible cause: rainwater entering through failed terrace waterproofing joints.

### ## 4. Severity Assessment (with reasoning)

- Severity Level: High
- Reasoning: water ingress indicators are present; moisture/thermal anomalies were identified

### ## 5. Recommended Actions

- Recommend re-sealing terrace joints and checking drainage slope.
- Recommend moisture meter validation and post-repair thermal retest.

### ## 6. Additional Notes

- Thermal input captured: Area: Roof terrace north edge recorded 38.6 C hotspot at 11:00 AM.
- Thermal input captured: Area: Bedroom ceiling recorded 24.1 C cooler patch below terrace slab.
- Thermal input captured: Area: Bathroom wet wall recorded 27.8 C with irregular thermal anomaly.

### ## 7. Missing or Unclear Information

- Not Available